NOVARTIS

Senior Expert Bioinformatics

Job ID
REQ-10029789
nov 21, 2024
Etats-Unis

Résumé

Senior Bioinformatics Expert/Scientist within the Quantitative Science and Statistics group. Working in a highly collaborative environment, the successful candidate will build and develop bioinformatics support to next generation sequencing (NGS) technologies and platforms in advancing cell and gene therapy platform. The successful candidate is expected to play an active role in leading and managing bioinformatics initiatives and work in close collaboration with wet lab scientists and internal and external collaborators.

About the Role

Key Responsibilities:

- Work as a lead bioinformatics scientist both independently and as a member of cross-functional teams to lead the effort on NGS experimental design, data analysis and interpretation.
- Develop bioinformatics pipelines for NGS data analysis, data management and enabling data analysis pipelines in routine analysis. Provide troubleshooting and maintenance supports.
- Produce high quality written documentation including study protocols, data analysis plans and reports.
- Refine algorithms and tools for sequencing data analysis and propose improvements.
- Communicating internally with other departments and externally with collaborators about technological capabilities and gap analysis.
- Lead bioinformatics pipeline validation and transfer.
- Support the wider R&D team with general bioinformatics need

Essential Requirements:

- PhD in bioinformatics, computational biology, biostatistics, molecular biology, virology or related discipline.
- At least 5 years of relevant industry work experience is required.
- Strong domain knowledge in genomics, excellent programming skills, and deep experience with next-generation sequencing and analysis.
- End-to-end complete life cycle experience in analysis and workflow/pipeline development for major NGS platforms for mutation analysis, genome mapping, variant calling and interpretation.
- Strong communication skills, ability to work both independently and collaboratively, to manage multiple concurrent, fast-paced projects and to work with multidisciplinary teams.
- Ability to set up bioinformatics computation systems from ground up.
- Experience in virology or viral gene therapy and working experience in GxP environment is considered a plus

The pay range for this position at commencement of employment is expected to be between $144,000 and

$216,000/year; however, while salary ranges are effective from 1/1/24 through 12/31/24, fluctuations in the job market may necessitate adjustments to pay ranges during this period. Further, final pay determinations will depend on various factors, including, but not limited to geographical location, experience level, knowledge, skills and abilities. The total compensation package for this position may also include other elements, including a sign-on bonus, restricted stock units, and discretionary awards in addition to a full range of medical, financial, and/or other benefits (including 401(k) eligibility and various paid time off benefits, such as vacation, sick time, and parental leave), dependent on the position offered. Details of participation in these benefit plans will be provided if an employee receives an offer of employment. If hired, employee will be in an "at-will position" and the Company reserves the right to modify base salary (as well as any other discretionary payment or compensation program) at any time, including for reasons related to individual performance, Company or individual department/team performance, and market factors.

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Senior Expert Bioinformatics

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